

**In the Abstract:**

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## Abstract of the Disclosure

A weapon effect simulation system including a fire simulation system and at least one hit simulation system. The fire simulation system includes a transmitter for transmitting electromagnetic waves to simulate real ammunition from a weapon and elements for including information in the electromagnetic waves. The hit simulation system includes both a receiver for receiving the transmitted electromagnetic waves and a processor for determining, based on received electromagnetic waves, whether a target has been hit. The fire simulation system further includes a calculator for calculating the imagined trajectory of the simulated ammunition and a processor for determining the geographical position of the weapon, and wherein the elements for including information in the electromagnetic waves are arranged so as to include information related to coordinates in the three-dimensional space for the calculated ammunition trajectory.